

Converting Colors

XYZ(23.6863, 31.0322, 7.0172)

Have a look what the booklet for
XYZ(23.6863, 31.0322, 7.0172)
contains.

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Color

**XYZ(23.6621, 31.0674,
7.0350)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA12B
RGB	138, 161, 43
RGB Percent	54%, 63%, 17%
CMY	0.4588, 0.3686, 0.8314
CMYK	0.14, 0.00, 0.73, 0.37
HSL	72°, 58%, 40%
HSV	72°, 73%, 63%
XYZ	23.6621, 31.0674, 7.0350
YIQ	140.6710, 24.1700, -41.5740

Conversions

Conversions Part 2

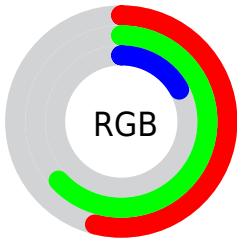
Format	Color
RYB	43, 161, 66
Decimal	9085227
CIELab	62.56, -24.10, 55.20
CIElCh	63, 60.234, 113.586
Yxy	31.0674, 0.3831, 0.5030
Android (android.graphics.Color)	4287275307 (0xFF8AA12B)
YUV	140.6710, -48.1518, -2.3425
Hunter-Lab	55.7381, -21.7645, 31.5334

Details

The XYZ color **23.6621, 31.0674, 7.0350** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5448, 5.4600, 34.2709**, and the grayscale version is **25.3652, 26.6862, 29.0612**.

A 20% lighter version of the original color is **48.9617, 61.4441, 20.5886**, and **9.1248, 12.8221, 1.9940** is the 20% darker color. If you saturate the color by 10%, you get **22.9115, 30.7092, 5.7510**, and if you desaturate by 10%, it is **24.5457, 31.4828, 8.9351**.

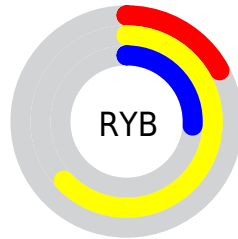
Distribution



Red (54%)

Green (63%)

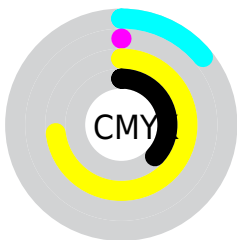
Blue (17%)



Red (17%)

Yellow (63%)

Blue (26%)

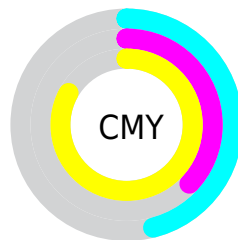


Cyan (14%)

Magenta (0%)

Yellow (73%)

Black (37%)



Cyan (46%)

Magenta (37%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6621, 31.0674, 7.0350 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.6621, 31.0674, 7.0350 by changing the saturation by 10% instead.

■ 23.6621, 31.0674,
7.0350

■ 23.6621, 31.0674,
7.0350

263.5800,
306.8487, 177.5962

■ 15.2065, 20.6502,
3.4052

■ 48.9369, 61.3462,
20.5577

■ 9.0517, 12.8685,
1.3051

■ 66.4869, 81.9765,
31.2876

■ 4.8323, 7.3381,
0.0659

■ 87.7991, 106.7800,
45.2214

■ 2.1830, 3.6744,
0.0000

■ 113.2388,
136.1411, 62.7775

■ 0.7337, 1.4932,
0.0000

■ 143.1713,
170.4441, 84.3745

■ 0.0000, 0.2839,
0.0000

■ 177.9622,

■ 0.0000, 0.0000,

210.0734, 110.4309

0.0000

217.9766,
255.4135, 141.3653

■ 23.6621, 31.0674,
7.0350

■ 23.6621, 31.0674,
7.0350

■ 22.9115, 30.7092,
5.7510

■ 24.5457, 31.4828,
8.9351

■ 22.2771, 30.3980,
5.0040

■ 25.5727, 31.9562,
11.5139

■ 21.8926, 30.2066,
4.6766

■ 26.7545, 32.4933,
14.8285

■ 28.1009, 33.0980,
18.9297

■ 29.6207, 33.7739,
23.8634

■ 31.3222, 34.5243,
29.6723

■ 33.2130, 35.3522,
36.3958

■ 35.3004, 36.2605,
44.0714

■ 37.5909, 37.2520,
52.7341

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3242, 31.0674, 5.8806



23.6621, 31.0674, 7.0350



18.5769, 31.0674, 13.4881

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.6621, 31.0674, 7.0350



21.1279, 31.0674, 84.6878



48.1176, 31.0674, 39.1233

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.6621, 31.0674, 7.0350



9.5448, 5.4600, 34.2709

Split Complementary

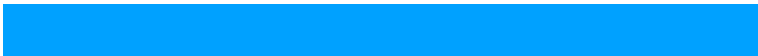
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.1105, 31.0674, 68.3086



23.6621, 31.0674, 7.0350



27.8030, 31.0674, 101.4060

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.6621, 31.0674, 7.0350



17.3141, 31.0674, 55.2860



36.2925, 31.0674, 94.3274



46.4511, 31.0674, 18.7933

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.6621, 31.0674, 7.0350



16.8462, 31.0674, 22.6104



36.2925, 31.0674, 94.3274



47.3688, 31.0674, 48.2486

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.6628, 31.0688, 7.0357



53.2992, 60.5954, 43.5833



17.0044, 11.4911, 3.6077



11.5314, 13.2195, 9.0332



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.6628, 31.0688, 7.0357



40.2852, 54.6307, 9.3464



16.5214, 27.3873, 6.7014



7.5135, 8.1672, 7.5605



17.5169, 24.1408, 3.7364



0.4008, 0.5241, 0.0800

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.5448, 5.4600, 34.2709



13.7930, 6.2986, 60.8753



15.5573, 8.5596, 34.5523



6.8234, 6.9233, 8.8798



5.6260, 2.3068, 27.0785



0.1515, 0.0656, 0.5705

Previews

White Background



This preview shows how the XYZ color 23.6621, 31.0674, 7.0350 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.6621, 31.0674, 7.0350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6621, 31.0674, 7.0350

Background



This preview shows how black text looks on a background with the XYZ color 23.6621, 31.0674, 7.0350.



This preview shows how white text looks on a background with the XYZ color 23.6621, 31.0674,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.6621, 31.0674, 7.0350

Protanopia

28.0444, 30.8394, 6.5723

Deuteranopia

31.3844, 30.6940, 7.2880



Tritanopia

30.0056, 30.9054, 38.5663

Trichromacy



Original Color

23.6621, 31.0674, 7.0350

Protanomaly

26.2398, 30.8790, 6.7677

Deuteranomaly

27.9970, 30.5640, 7.1132

Tritanomaly

26.7394, 30.5541, 21.9410

Monochromacy



Original Color

23.6621, 31.0674, 7.0350

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.9549, 27.7752, 17.4632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6621, 31.0674, 7.0350 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(138, 161, 43)` looks like.

```
.text, #text, p{  
    color:rgb(138, 161, 43)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(138, 161, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 161, 43) }
```

Border

The CSS property to change the border of an element to XYZ 23.6621, 31.0674, 7.0350 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 161, 43) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(138, 161, 43) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(138, 161, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 161, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 161, 43);  
box-shadow:4px 4px 4px 4px rgb(138, 161,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6621, 31.0674, 7.0350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 161, 43) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(138,  
161, 43) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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